

# MONTHLY WEATHER REPORT

COMPILED FROM RETURNS OF OFFICIAL AND VOLUNTARY OBSERVERS

OCTOBER

1978

VOLUME 95

NUMBER 10

## Warm and dry, except in extreme north.

A northerly airstream was replaced on the 1st by a ridge of high pressure and this was followed by an unsettled westerly spell. Southern areas came within the influence of an anticyclone which moved from Biscay to Germany between the 4th and the 6th. A southerly airflow developed on the 7th, but complex low-pressure systems affected many areas during the next few days. With pressure rising over central Europe, however, a warm southerly flow became re-established by the 11th. A depression off south-west Ireland moved north-east on the 15th and a north-westerly airstream then developed and persisted for a few days. An anticyclone became stationary to the south-west of the British Isles between the 19th and the 25th, while fronts crossed many areas, but mostly affected the north. A strong ridge then moved eastwards across Britain, allowing fronts from the north-west to cross most parts on the 31st.

### Weather

The weather was generally unsettled at the beginning of the month, but after the first few days rain or showers were mostly confined to the north, and the 7th was a dry day everywhere. Scattered outbreaks of rain or showers occurred between the 8th and 11th, but it then became mainly dry until mid-month. It was also very warm, although overnight fog became dense in places, particularly in England and Wales. Rain reached most parts on the 15th and the weather was then cooler and less settled until the 23rd. Isolated thunderstorms occurred during the middle two weeks of the month and wintry showers fell in the north during the third week. The changeable weather continued in some northern areas until the end of the month, while remaining districts became drier and warmer, but a belt of rain spread to most parts on the 31st.

### Wind

Except for a few days towards the end of the second week, when speeds were light in most areas, winds were frequently fresh or strong in exposed places in the north. Speeds there occasionally reached gale force, and a gust of 81 kt was recorded at Cairngorm on the 5th. Winds were also fresh or strong along western coasts of England and Wales from time to time. Directions were mainly between south-west and north-west, except between the 7th and the 12th, when south to south-east winds predominated.

### Temperature

Monthly mean temperatures were above average in all areas, except in Shetland. Values were between 0 and 1 °C above the normal in north-west Scotland, over most of south-east England, and in parts of south-west England, South Wales and East Anglia, but were between 1 and 2 °C above average in almost all remaining districts. After the first few days, it became warm in many areas, particularly during the second week. Most places in Great Britain recorded their monthly maximum on the 11th or 12th, temperatures of at least 25 °C occurring in places in East Anglia, the south Midlands and southern England. In London, where the temperature rose to 25.2 °C on the 11th, this was the warmest October day since 1959, and Exeter Airport, with a maximum of 23.7 °C on the 12th, had its highest October temperature since records began there in 1942.

Temperatures returned to nearer the normal by mid-month, but there was another warm spell during the last week.

### Rainfall

Rainfall exceeded the average only in north-western Scotland, where twice the normal amount for the month fell at Cape Wrath. The 5th was a very wet day in this area, values exceeding 100 mm at one or two places in the 24 hours starting at 09 GMT. All other parts of the United Kingdom had less than their usual rainfall for October and in most places totals were well below the normal. Less than 25 per cent of the average fell in parts of eastern Scotland and also south of a line from the Humber to Cardigan Bay. Within this latter area, the Channel Islands, most of south-east and central southern England and parts of East Anglia and south Devon had less than 10 per cent of their normal rainfall. Totals for the month at a number of places in these areas were below 5 mm and only 0.1 mm was recorded at Gravesend in Kent. Over England and Wales, taken together, there have probably been only 4 drier Octobers since the record began in 1727, and in Northern Ireland, where rainfall was below 50 per cent of the normal over the Province as a whole, it was the driest October this century in the Belfast area.

### Snow

Snow showers occurred in Shetland on the 20th and 24th, but snow was otherwise only observed at times on the upland slopes of some of the Scottish mountains. Wintry showers of sleet or hail were occasionally reported in the Northern Isles and in mainland Scotland during the first week, and also between the 16th and the 24th. Isolated sleet and hail showers occurred in northern England and in North Wales at the beginning of the third week.

### Sunshine

Sunshine was between 100 and 120 per cent of average in Shetland, over most of south-east England and central and south-west Scotland, and along much of the eastern coastal strip of Scotland and England north of the Humber. Totals were slightly above average in places in central southern and south-west England, South Wales and the Isle of Man, but remaining parts of Great Britain had less than their normal sunshine for the month. In Northern Ireland, however, it was the sunniest October since 1959, and totals were highest in Co. Down, where Hillsborough recorded 142 per cent of its average. Sunny intervals occurred from time to time throughout the month in central and southern districts, but in northern areas the first half of October was generally the sunnier.

### Fog

Overnight fog patches occasionally formed in inland areas during the first week, but occurred more frequently during the second week. The fog chiefly affected south-eastern and central southern England, the Midlands and East Anglia. It became widespread and dense over much of England and Wales on the night of the 12th/13th, persisted all the following day in places, and returned to many parts on the night of the 13th/14th, when the Central Lowlands of Scotland were also affected. Several people were killed in road accidents and flights were seriously delayed at airports. Dense fog also developed overnight, mostly in the south-east and the Midlands, between the 27th and the 29th. Fog along coasts and on hills occurred during similar periods and also between the 21st and the 24th. Coastal fog most frequently affected the north and west and Shetland had fog for much of the day on the 9th and the 11th.

### Miscellaneous Phenomena

None reported.

Table 1 District values

District	air temperature °C					mean 30-cm earth temp °C	rain- days	rainfall	sun- shine
	Highest Max*	Lowest Min*	max.	min.	mean				
difference from average						% of average			
0 Scotland N	20.1	0.5	+0.4	+0.5	+0.4	+0.1	+3	87	88
1 Scotland E	20.5	-2.0	+1.1	+1.9	+1.5	+1.2	-3	37	96
2 England E & NE	24.6	-2.4	+1.2	+1.3	+1.3	+0.8	-5	32	92
3 East Anglia	24.9	0.5	+1.0	+1.0	+1.0	+0.4	-5	11	89
4 Midland Counties	24.9	-0.3	+1.4	+1.3	+1.3	+0.7	-8	20	87
5 England SE & Central S	24.6	-0.4	+1.2	+0.6	+0.9	+0.2	-7	9	97
6 Scotland W	19.6	-2.0	+0.9	+1.8	+1.4	+1.1	+1	60	88
7 England NW & Wales N	22.4	1.0	+1.0	+1.9	+1.5	+0.7	-3	42	90
8 England SW & Wales S	24.0	0.3	+1.2	+1.1	+1.2	+0.8	-8	13	92
N Ireland	19.2	4.0	+1.1	+2.1	+1.5	+1.5	-1	46	112
Scotland	20.5	-2.0	+0.8	+1.4	+1.1	+0.8	0	61	91
England & Wales	24.9	-2.4	+1.2	+1.2	+1.2	+0.6	-6	21	91

\* Highest maximum and lowest minimum of District Value Stations



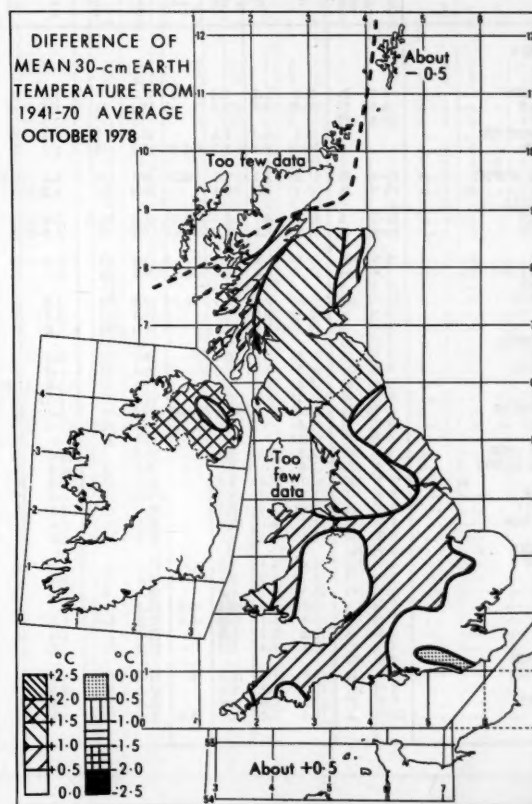
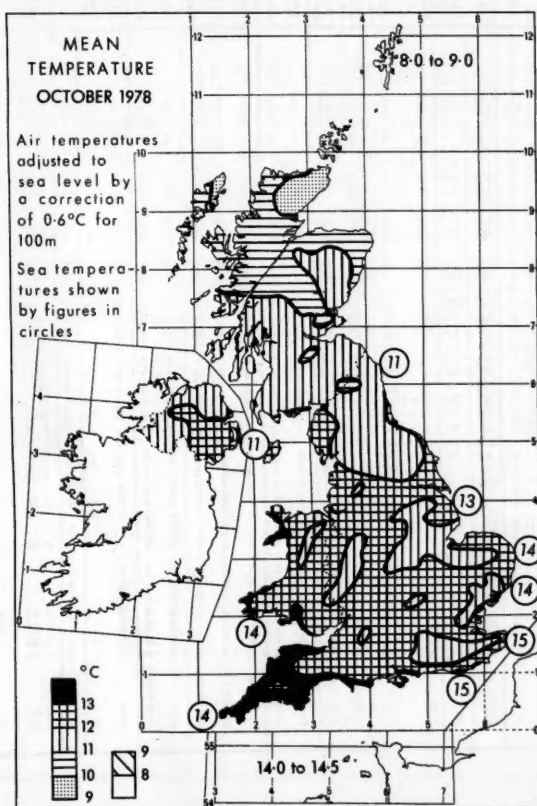
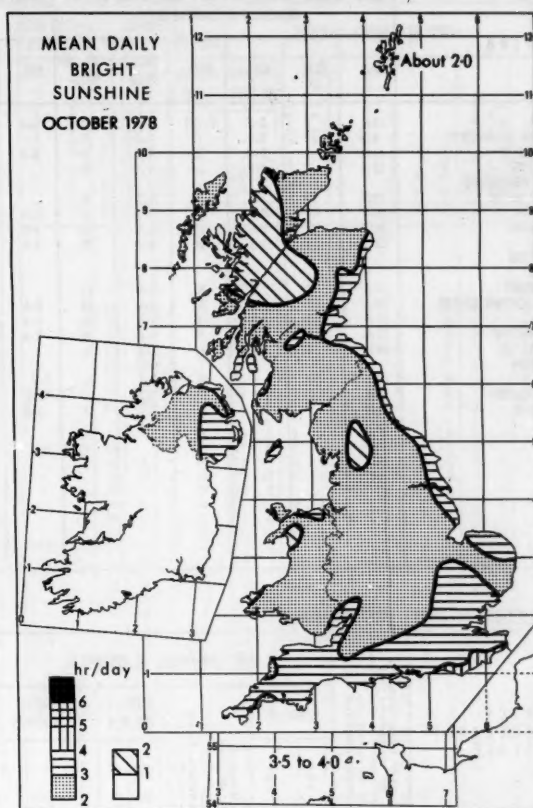
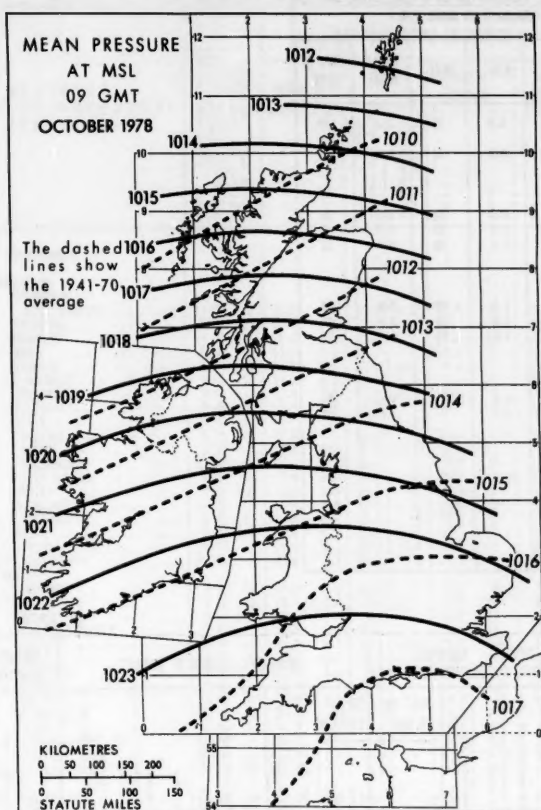




TABLE 2 SOLAR RADIATION

OCTOBER 1978

STATION	DAILY GLOBAL IRRADIATION ON A HORIZONTAL SURFACE (MEGAJoules PER SQUARE METRE)						DAILY DIFFUSE IRRADIATION ON A HORIZONTAL SURFACE (MEGAJoules PER SQUARE METRE)					
	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS
LERWICK	10.1	2	0.3	27.29	3.8	30	4.4	1	0.3	27	2.4	30
ABERDEEN UNIVERSITY	9.5	3	0.9	15	4.9	31						
ESKDALEHUR	11.4	1	0.9	31	4.6	31	5.4	1	0.9	31	2.9	31
ROOR HOUSE	12.5	7	0.6	24	4.1	31						
SUTTON BOWINGTON												
GRAHAM WATER	11.9	7	1.6	19	6.0	31						
ROBERPETH	12.7	7	0.8	30	5.2	31	6.4	3	0.9	30	3.5	31
CARDINGTON	12.0	7	1.7	26	6.0	30	6.9	5	1.7	26	3.8	30
SILSOE	12.1	7	1.6	26	6.2	31	6.4	2	1.5	26	3.7	31
ROTHAMSTED												
ORASTON												
MALLINGFORD	11.6	7	1.0	26	5.4	31						
LONDON WEATHER CENTRE	12.6	7	2.0	30	6.4	29	5.6	2	1.9	30	3.6	29
KEN	12.6	7	1.9	26	6.0	31	6.1	2	2.0	26	3.8	31
EASTHAMPTON	12.9	7	1.8	26	6.0	29	5.4	10	1.8	26	3.7	29
EAST HALLING	13.7	7	1.2	27	7.4	31						
AUSTINGTON												
WARRICK	13.4	6	0.9	15	6.8	31						
JERSEY AIRPORT	14.5	7	1.3	19	7.2	31	7.0	2	1.3	19	4.4	31
ALDERGROVE	13.0	1	1.6	14	6.1	28	5.8	5.26	1.5	14	3.8	28

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

OCTOBER 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HEIGHT MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C						MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)		WEATHER (NUMBER OF DAYS)										BRIGHT SUNSHINE																					
			MEANS OF		DAILY MEAN (MEAN OF AVE)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM		TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE AMOUNT (MM)	MOST IN A DAY DATE	PRECIP- ITATION	0-2 MM OR MORE 1-0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 0H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 0H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE EXPOSURE																	
			MAX. (A)	MIN. (B)			MAX.	DATE																																				
D SCOTLAND N																																												
SHEPHERD	9.9	24	10.7	5.2	7.9	-0.5	13.7	7	1.2	21	8.6	92	76	11	5	23	19	3	0	0	0	1	0	-	-	5	2.18	117	-	-	-													
BALTRAND	9.9	57	10.9	7.8	9.3	-	13.6	12	3.1	20	9.4	9.5	103	-	30	4	23	16	1	0	4	1	1	3	0	3	8	2.63	-	-	-													
FAIR ISLE	21-9	82	10.1	6.7	8.4	-	13.5	7	2.3	26	-	-	99	-	14	4	25	18	2	0	1	1	0	2	0	3	2	3	2.11	106	-	-												
LERWICK			10.4	6.7	8.5	0.0	13.8	8	2.2	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
PSYCHROMETER																																												
SCREEN																																												
KIRKALL AIRPORT	21-9	26	11.8	7.3	9.5	+0.3	16.1	8	3.0	21-26	-	-	137	121	39	4	26	19	1	0	0	5	0	1	0	2	0	2	3	2.38	100	-												
WEYLAND	9.9	24	12.1	7.5	9.8	-	15.8	11	4.3	26	9.4	-	135	-	38	4	25	19	2	0	0	1	0	2	0	2	0	3	3	2.44	88	-												
WESTERN ISLES																																												
BENBOLLA	21-9	6	12.1	8.7	10.4	+0.3	15.5	10-11	2.4	10	-	-	136	-	38	8	27	21	0	0	0	0	0	0	0	3	1	0	2	1.4	87	-												
STORMWAY	21-9	15	11.9	7.8	9.9	+0.4	15.6	11	2.0	10	-	-	165	-	25	4	26	21	0	0	1	3	2	1	0	2	0	0	0	2	1.4	88	-											
HIGHLAND																																												
ACHMAY	9.9	107	12.5	5.6	9.1	-	17.2	11	-0.8	14	9.5	-	132	-	30	4	24	19	0	0	0	0	0	0	1	6	-	1	0	1.98	-	-												
ACHMARSHALLA	9.9	67	12.7	6.8	9.7	+0.7	20.1	11	2.1	14	-	-	366	145	59	5	26	25	0	0	0	0	0	0	0	0	0	0	0	0	1.98	-												
BALMORRA	9.9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
CAPE WATH	21-9	112	11.5	7.8	9.7	+0.2	19.0	11	3.8	25	-	-	263	199	60	4	24	23	0	0	1	0	0	4	0	0	0	9	1	1.96	-	-												
CASSLEY	9.9	99	12.5	6.3	9.4	-	19.5	11	2.3	21	-	-	306	-	67	5	26	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
CORRACH	9.9	8	13.3	7.9	10.6	-	19.0	11	3.6	21	-	-	141	-	19	8	25	20	0	0	0	0	0	0	0	3	-	0	-	-	-	-												
CRAIGROACH	9.9	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
DALCROSS	9.9	11	13.5	7.9	10.7	-	19.4	11	2.2	1	-	-	45	-	8	4	19	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
DALMINTIE	9.9	351	11.5	5.7	8.6	-	15.4	11	-1.7	1	-	-	75	-	12	8	23	18	1	0	0	0	0	0	2	2	-	0	0	0	1.80	-												
DIBRID	9.9	60	12.6	8.2	10.4	-	19.6	11	5.4	17-21	-	-	199	-	26	25	27	22	2	0	0	2	1	0	0	-	-	-	-	-	-	-												
DOUNREY	9.9	21	13.5	7.0	10.3	+1.2	19.2	11	2.5	21	-	-	89	94	27	4	19	16	0	0	1	0	0	0	0	1	-	2	2	2	2.20	-												
FORT AUGUSTUS	9.9	21	13.0	7.7	10.3	+1.2	19.2	11	3.1	21	-	-	98	-	13	4	23	16	0	0	0	0	0	0	0	0	-	0	1	1	1.40	73												
FORTROSE	9.9	5	13.0	-	-	-	17.8	11	-	-	-	-	40	64	6	14	20	11	-	-	-	-	-	-	-	-	-	-	-	-	2.15	81												
GLISDALE	9.9	12	12.1	-	-	-	19.1	11	-	-	-	-	237	-	34	4.8	26	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
GLENDARE LODGE	9.9	341	12.5	5.8	9.1	-	17.3	7	-0.7	1	-	-	49	45	12	25	22	14	0	0	0	0	0	0	3	6	3	0	0	2.03	-	-												
GRANTON-ON-SPEY	9.9	229	12.9	6.1	9.5	-	18.3	11	-1.5	1	-	-	35	-	8	25	21	9	1	0	0	0	0	1	1	7	0	0	0	2.26	-	-												
HERSTE	9.9	109	12.1	7.6	9.9	-	16.1	11	2.4	21	-	-	278	-	48	5	27	23	0	0	0	1	0	2	0	0	-	-	-	-	-	-												
INVERNESS	9.9	4	13.7	8.2	10.9	-	19.5	11	4.4	13	-	-	42	66	8	9	16	11	0	0	0	0	0	1	0	0	-	0	0	2.22	-	-												
INVERPOLY	9.9	14	12.0	7.9	10.3	-	20.4	11	3.1	10	10.6	-	253	-	47	8	29	23	-	-	-	-	-	-	0	1	-	-	-	-	-	-												
ISLE OF AYON	9.9	5	13.1	8.5	10.8	-	16.3	11	3.4	13	11.4	11.9	279	91	36	8	28	26	0	0	0	2	1	0	0	0	1	3	-	-	-	-												
KEISS	9.9	30	12.5	6.3	9.4	-	16.5	11	1.8	21	9.6	10.1	71	-	21	4	21	14	0	0	0	2	0	0	0	2	-	1	1	2.64	-	-												
KNOCKHARROCK	9.9	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
LOCHALIN	9.9	250	12.4	6.5	9.5	-	17.7	11	-1.4	1	-	-	33	-	5	25	19	13	2	0	0	0	0	0	2	3	-	0	0	-	-	-												
LAIRO	9.9	107	12.7	5.5	9.1	-	18.4	11	-1.5	14	9.1	9.3	141	-	32	4	24	16	0	0	0	0	0	1	1	1	-	1	1	-	-	-												
LEITH	9.9	146	12.7	6.7	9.7	-	18.1	8	1.6	1	9.5	-	65	-	14	9	18	12	0	0	0	0	0	0	1	-	-	-	-	-	-	-												
MAIR	9.9	6	13.7	7.0	10.3	+0.8	19.9	11	0.7	1	-	-	37	64	7	9	20	9	0	0	0	0	0	0	0	3	4	-	2.43	86	-	-												
ONICH	9.9	15	13.4	7.3	10.3	+0.6	18.5	8-11	0.5	21	-	-	204	88	18	4	29	24	-	-	-	-	-	-	6	-	1	1	1.29	64	-	-												
POOLE	9.9	8	12.8	8.2	10.5	-	19.2	11	2.4	10	-	-	282	-	61	8	28	26	0	0	1	1	0	0	0	0	1	1	1	1.80	-	-												
PROBERT	9.9	67	12.1	7.4	9.7	-	17.0	11	3.6	21	-	-	241	112	50	8	30	25	0	0	0	2	2	0	0	3	3	-	1.78	-	-	-												
STATHCON	9.9	107	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
TARADNESS	21-9	18	13.0	7.7	10.3	+0.7	19.7	11	4.1	22	-	-	40	-	7	4	18	10	0	0	0	0	0	1	0	-	-	-	-	-	-	-												
TOWTIN	9.9	311	12.2	6.2	9.2	-	17.2	11	-0.5	1	-	-	53	-	9	16	22	12	0	-	0	0	0	-	1	-	-	-	-	-	-	-												
TOWNISDALE	9.9	27	12.8	6.8	9.8	-	19.3	11	1.4	14	-	-	105	-	25	4	22	16	0	-	0	1	0	0	-	3	-	1	1	2.46	-	-												
WICK	21-9	36	12.5	7.0	9.7	+0.4	16.5	11	1.9	21	-	-	55	75	14	4	20	12	0	0	0	2	0	0	0	5	0	0	1	2.45	89	-												

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

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OCTOBER 1970

DISTRICT REGION/COUNTY AND PLACE	MAX. TERRAIN HEIGHT (FT)	MIN. OF OBSERVATION HEIGHT OF STATION ABOVE MSL (FEET)	AIR TEMPERATURE IN DEGREES C										MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)		WEATHER (NUMBER OF DAYS)										BRIGHT SUNSHINE																		
			MEANS OF		HIGHEST MAXIMUM	DATE	LOWEST MINIMUM	DATE	50 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	AMOUNT (MM)	DATE	PRECIP- ITATION	SNOW ON GLEET OR MORE 1.0 MM OR MORE	SNOW LYING AT 9H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	DRAB MIN. RELATIVE HUMIDITY CALCULATED FROM WIND- SPEED AND TEMPERATURE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE EXPOSURE																				
			MAX. (A)	MIN. (B)																																									
1 SCOTLAND E																																													
ORAMPION																																													
ABERDEEN																																													
DYCE AIRPORT	21-9	58	13.6	7.1	10.3	+1.2	19.0	6	2.7	21	21	26	6	15	11	6	0	0	0	0	0	0	0	0	3.13	104																			
BALMORAL	9-9	283	12.6	6.3	9.5	+1.9	16.5	11	0.2	18	23	29	6	16	14	7	0	0	0	0	0	0	0	2	2.75																				
BRACKHART	9-9	94	14.4	6.8	10.6	-	19.6	12	2.4	18	21	37	6	1	13	5	0	0	0	0	0	0	0	2	2.43																				
BRUFF	9-9	24	13.7	8.4	11.1	-	17.7	11	4.7	1	25	32	6	25	17	9	0	0	0	0	0	0	0	4	1.90	88																			
BREARNA	9-9	339	12.5	6.5	9.5	+2.0	15.4	11	1.0	1	28	32	6	15	16	9	1	0	0	0	0	0	0	7	2.45																				
CLASHNOIR	9-9	338	12.2	6.0	9.1	-	16.2	11	1.2	1	39	39	9	16	16	9	1	0	0	0	0	0	0	7	2.45																				
CHRISTSTONE	9-9	91	13.5	7.2	10.3	+1.2	18.4	6	2.4	21	24	29	6	15	12	7	0	0	0	0	0	0	0	1	3.17	102																			
CULTERTY	9-9	3	13.7	6.9	10.3	-	19.4	12	2.2	21	29	43	8	15	14	9	0	0	0	0	2	0	3	3	3.15																				
ELOIN	9-9	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																				
FOREHILL	9-9	40	13.0	7.4	10.2	-	17.7	6.12	2.9	21	30	-	9	15	16	10	0	0	0	0	1	0	0	0	2.22	76																			
FORRES	9-9	5	13.0	8.0	10.9	+1.6	19.6	11	2.8	1	30	-	9	15	16	10	0	0	0	0	1	0	0	0	2.22	76																			
FRASERBURGH	21-9	19	13.1	8.4	10.7	-	17.8	9	4.5	21	30	44	8	15	13	7	0	0	0	0	1	0	0	0	2.91																				
FTYIE CASTLE	9-9	55	13.5	6.2	9.9	-	18.0	5.11.12	1.0	1	30	37	6	16	15	10	0	0	0	0	0	0	0	3	4.4																				
GARTLY	9-9	146	13.5	6.9	10.2	-	18.3	5	1.4	1	27	-	10	16	12	8	0	0	0	0	0	0	4	4	4.4																				
GLENLIVET	21-9	215	13.0	6.0	9.9	-	18.6	8	0.0	1	41	51	8	16	22	10	0	0	0	0	0	0	3	1	2.70																				
INVERURIE	9-9	54	14.2	6.5	10.3	-	19.2	12	0.5	18	24	-	7	16	13	8	0	0	0	0	0	0	5	-	2.82																				
KEITH	9-9	106	13.8	6.1	9.9	-	19.1	11	-0.2	7	32	-	7	16	16	11	0	0	2	0	0	1	1	0	2.42																				
KINLOSS	21-9	5	13.5	8.1	10.8	+1.3	19.9	11	2.4	1	29	49	6	16	14	8	0	0	0	0	0	0	1	1	0	2.43																			
LOSSIEMOUTH	21-9	6	13.6	7.3	10.5	-	19.8	11	1.4	1	31	51	6	16	18	9	0	0	0	0	0	0	2	1	0	-	-																		
TAYSIDE																																													
ABERDUTH	9-9	29	13.7	8.4	11.1	-	17.6	6	3.9	17	-	-	10	18	4	25	8	3	0	0	0	0	1	0	2	3.07	95																		
ARDATHAL	9-9	130	12.9	7.9	10.4	-	18.0	11	3.0	21	51	36	8	8	20	16	0	0	0	0	0	0	2	-	2.26																				
DALL	9-9	232	12.7	5.8	9.3	-	16.9	11	-0.6	1	91	72	19	8	22	14	0	0	0	0	0	0	2	-	0	-																			
DRAUMOND CASTLE	9-9	113	13.5	7.2	10.3	-	18.1	11	1.4	21	29	-	7	8	15	10	0	0	0	0	0	0	2	-	3.14																				
DUNDEE	9-9	45	14.0	8.1	11.1	+1.6	18.0	6	3.6	17	13	20	5	25	9	3	0	0	0	0	2	0	3	-	3.23	110																			
FRASKALLY	9-9	94	13.7	6.7	10.2	-	17.7	11	1.5	1	31	35	8	25	16	10	0	0	0	0	0	0	6	-	0	-																			
KINDROGH	9-9	259	12.3	5.3	8.8	-	15.6	5	-0.3	8	11	-	9	1	14	8	0	0	0	0	0	0	1	9	-	1																			
KINROSS	9-9	116	13.3	6.9	10.1	-	17.3	11	1.7	21	34	-	3	15	11	6	0	0	0	0	0	0	2	-	2.78																				
MONTROSE	9-9	57	13.6	7.5	10.5	-	18.0	5	4.0	21	15	22	8	21	5	3	0	0	0	0	1	0	0	0	-	0																			
NYLDEFIELD	9-9	30	13.8	7.9	10.9	-	17.6	6.11	3.7	21	10.8	11.3	12	20	5	25	9	3	0	0	0	0	3	4	2.92																				
PERTH	9-9	23	14.2	7.3	10.7	+1.4	19.5	11	1.9	21	9	13	3	25	6	3	0	0	0	0	0	0	1	-	2.47	91																			
PERTH AIRPORT	9-9	41	14.1	7.9	11.0	-	19.2	11	2.2	21	11	-	3	15	10	5	0	0	0	0	0	0	1	-	0	-																			
USK	21-9	30	13.5	8.2	10.9	-	18.0	6.12	1.4	17	-	-	9	21	7	0	0	0	0	0	0	0	1	0	0	3.12																			
WHITELOCKS	9-9	258	13.6	6.3	9.9	-	18.5	28	1.0	18	20	18	6	16	12	9	0	0	0	0	0	0	9	-	0	-																			
FIFE																																													
BELLISTON	9-9	82	13.6	8.3	10.9	-	19.0	11	2.9	17	11.3	-	20	30	7	25	12	5	0	0	0	0	1	0	2	-	0																		
CUPAR	9-9	36	14.1	7.4	10.7	-	18.5	11.12	1.6	21	10.5	-	13	-	8	3	0	0	0	0	0	0	4	-	3.21	9																			
GLENROTHES	9-9	117	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
LEUCHMARS	21-9	10	14.1	7.6	10.9	+1.2	19.3	11	1.5	17	15	26	5	25	9	4	0	0	0	0	0	2	0	4	1	3.35	102																		
PITREAVIE	21-9	40	14.0	8.7	11.3	-	20.0	11	3.1	21	14	22	3	25	11	4	0	0	0	0	0	0	1	0	0	0	-																		
ST ANDREWS	9-9	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.88																			
LOTHIAN																																													
BUSH HOUSE	9-9	184	13.3	7.6	10.5	-	20.4	11	0.8	21	10.8	11.4	22	29	5	25	14	8	0	0	0	0	1	0	2	-	2.65																		
DUNBAR	9-9	23	14.3	8.8	11.5	+1.3	19.9	11	4.0	18	30	60	11	25	12	6	0	0	0	0	0	0	0	0	1	3.37	99																		
EDINBURGH																																													
EAST CRAIGS	9-9	61	13.8	7.6	10.7	-	19.4	11	1.6	21	11.5	-	14	-	3	25	10	4	0	0	0	0	0	4	-	3.39																			
ROYAL BOTANIC GARDEN	9-9	26	14.3	8.7	11.5	+1.6	20.5	11	2.8	21	11.2	-	13	23	3	25	11	4	0	0	0	0	1	0	4	-	3.04	103																	
ROYAL OBSERVATORY																																													
BLACKFORD HILL	9-9	134	13.6	8.4	11.0	+1.2	19.1	11	3.9	21	-	-	13	22	4	25	7	4	0	0	0	0	1	0	0	2.93	93																		
TURNHOUSE AIRPORT	21-9	35	14.4	8.1	11.3	+1.6	20.5	11	1.4	21	-	-	15	26	3	25	10	4	0	0	0	0	1	0	3	0	2.80	98																	
HADDINGTON	9-9	49	14.3	8.0	11.1	-	19.4	11	0.5	18	-	-	23	44	0	25	11	5	0	0	0	0	0	0	0	-	0																		
LIVINGSTON	9-9	125	13.4	7.4	10.4	-	18.4	11	-0.2	21	10.9	-	26	-	4	25	16	10	0	0	0	0	0	2	1	6	-																		
MURRAY ABBEY	9-9	195	13.0	7.9	10.5	-	18.4	11	1.5	18	-	-	39	-	11	25	14	8	0	0	0	0	0	1	0	-	0																		
PATHHEAD	9-9	131	13.5	8.0	10.7	-	18.7	11	2.5	18	10.4	-	6	25	9	5	0	0	0	0	0	0	1	0	1	-	0																		
PENICUIK	9-9	189	13.1	6.8	9.9	+1.1	18.0	11	-0.2	21	10.5	-	26	32	5																														

[illegible]



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DISTRICT REGION/COUNTY AND PLACE		MAX. TEMP. (HOURS)	MIN. TEMP. (HOURS)	HEIGHT OF STATION ABOVE MSL (FEET)	AIR TEMPERATURE IN DEGREES C				MEAN EARTH TEMPERATURE IN DEGREES C	RAINFALL (TENTH OF AN INCH)		WEATHER (NUMBER OF DAYS)										BRIGHT SUNSHINE									
					MEANS OF		HIGHEST MAXIMUM	LOWEST MINIMUM		TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY	PRECIP- ITATION	SNOW OR SLEET IN OR MORE INCHES	SNOW LYING AT 9H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS FROST MIN. BELOW 0 DEG C	WIND DIRECTION SPEED IN MPH	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE							
					MAX. (H)	MIN. (H)																									
2 ENGLAND E & NE -CONTINUED																															
DURHAM	9-9	105	14.5	8.3	11.4	+1.6	21.5	11	1.3	18	11.6	12.2	20	38	6	15	12	5	-	0	0	0	0	0	0	2	90	95			
DURHAM	9-9	102	13.6	7.2	10.4	-	20.5	11	1.0	18	10.6	10.8	17	-	6	15	11	7	-	0	0	0	0	0	0	1	90	95			
MIDDYBANK FELL	9-9	513	11.0	6.2	8.6	-	16.3	11-13	0.2	18	8.7	-	17	-	16	15	21	15	-	0	0	0	0	0	0	0	1	90	95		
CLEVELAND																															
HARTLEPOOL	9-9	31	14.8	7.4	11.1	+1.2	22.4	11	-0.1	18	-	-	20	44	6	15	13	6	0	0	0	0	0	0	1	3	-	90	95		
NORTH YORKSHIRE																															
ASHKHAM BRYAN	9-9	33	15.1	7.7	11.4	-	22.0	12	0.3	18	-	-	13	26	4	31	10	5	0	0	0	0	0	0	2	0	3	-	95		
CANOE	9-9	6	15.2	8.1	11.7	-	22.2	12	1.0	18	12.1	12.7	13	28	3	31	10	6	0	0	0	0	0	0	3	0	5	-	95		
LOW HATHORPE	9-9	175	13.8	7.8	10.8	-	21.7	12	1.3	18	10.8	-	16	25	4	16	10	7	0	0	0	0	0	0	3	0	5	-	95		
LEIGHING	21-9	32	14.8	8.8	11.8	-	21.5	11	1.9	18	11.4	12.5	16	31	4	31	11	6	0	0	0	0	0	0	3	0	5	-	95		
WALMAN TARN	9-9	395	12.0	6.9	9.5	-	19.6	11	1.6	18	10.3	-	52	36	8	24	11	5	0	0	0	0	0	0	3	0	5	-	95		
PICKERING	9-9	44	14.6	6.3	10.5	-	21.5	12	-1.1	18	11.0	-	15	27	3	17.31	11	5	0	0	0	0	0	0	2	0	5	-	95		
SCARBOROUGH	9-9	52	14.9	9.0	11.9	-	22.9	12	3.0	18	11.5	12.4	14	26	5	25	10	4	0	0	0	0	0	0	1	0	1	3.50	109		
SCARBOROUGH	9-9	203	13.9	7.5	10.7	-	21.9	12	2.8	2.18	10.3	-	22	30	7	25	15	5	0	0	0	0	0	0	3	0	4	-	95		
SWINHOPE	9-9	290	12.4	7.2	9.8	-	18.4	11	-0.8	18	10.2	-	53	-	11	31	16	11	5	0	0	0	0	0	1	0	1	3.60	109		
WHITBY	9-9	41	14.8	8.7	11.7	-	23.2	11	2.6	18	-	-	20	-	9	25	11	5	0	0	0	0	0	0	3	0	5	-	95		
WHITBY (CONTOUR)	21-9	60	14.1	9.2	11.7	-	21.8	11	3.2	18	-	-	19	-	9	25	11	4	0	0	0	0	0	0	3	0	5	-	95		
YORK (HESLINGTON)	9-9	19	15.1	8.4	11.7	-	23.8	12	0.7	18	11.9	12.4	15	32	4	31	11	6	0	0	0	0	0	0	1	0	2	-	95		
HUMBERSIDE																															
BRIDLING	9-9	48	14.5	6.9	11.7	-	22.1	11	-1.0	30	-	-	18	31	7	17	9	5	0	0	0	0	0	0	1	6	-	3	3.45	-	
CLEETHORPES	9-9	7	15.2	9.0	12.1	-	21.8	11	3.0	18	-	-	11	25	2	16	9	7	-	0	0	0	0	0	1	1	6	-	3	3.45	-
HALL	9-9	2	15.9	9.0	12.5	+1.5	24.6	11	1.9	18	12.0	13.2	13	28	4	17	9	5	0	0	0	0	0	0	1	0	1	0	3.40	113	
LINCOLNSHIRE																															
BRANDON	21-9	108	14.4	8.4	11.4	-	23.3	12	1.9	18	-	-	10	19	3	2	10	5	0	0	0	0	0	0	1	0	1	0	2.95	-	
CROSTON	9-9	21	15.5	7.9	11.7	-	24.7	12	-1.3	18	-	-	10	-	2	2	8	5	-	0	0	0	0	0	1	1	1	0	2.89	87	
CRAWLEY	9-9	62	15.2	8.4	11.5	+1.1	23.1	12	2.2	18	12.0	13.1	5	10	2	2	8	2	0	0	0	0	0	0	3	0	1	0	2.89	87	
KIRTON	9-9	4	15.5	8.0	11.7	-	24.2	11	0.3	18	12.1	12.7	5	-	-	2	6	2	0	0	0	0	0	0	3	0	1	0	2.89	87	
LINCOLN	9-9	6	15.6	7.6	11.6	+1.3	23.8	12	-2.4	18	12.4	12.7	5	-	2	2	5	3	0	0	0	0	0	0	3	2	6	-	0	2.56	-
SKEGNESS	9-9	5	14.9	8.8	11.9	+0.9	19.5	12	2.1	18	-	-	5	11	2	2	7	2	0	0	0	0	0	0	-	0	0	0	2.94	107	
SUTTON BRIDGE	9-9	4	16.2	8.4	12.3	-	24.6	11	2.2	18	-	-	3	6	1	16.26	4	2	0	0	0	0	0	0	-	0	0	0	3	-	0
WADINGTON	21-9	68	15.3	8.5	11.9	+1.4	23.7	12	2.8	18	-	-	9	19	3	2	5	4	0	0	0	0	0	0	2	0	2	0	2.71	82	
3 EAST ANGLIA																															
NORFOLK																															
COLTSHALL	21-9	17	15.2	8.5	11.9	-	23.4	11	3.2	23	-	-	11	19	6	17	9	4	0	0	0	0	0	0	2	0	2	0	3.23	92	
CROHER	9-9	54	15.2	9.2	12.2	+0.9	24.8	11	5.7	18	-	-	12	22	4	17	12	4	0	0	0	0	0	0	4	0	0	0	0	2.89	87
GORLESTON	9-9	2	15.0	9.0	12.0	+0.3	19.1	5	4.8	23	12.5	13.2	10	17	3	17	7	4	0	0	0	0	0	0	4	0	0	0	2.89	87	
HARHAM	21-9	23	15.5	7.8	11.7	-	24.1	11	1.1	23	-	-	6	-	2	17	10	3	0	0	0	0	0	0	3	0	3	0	2.97	-	
MORLEY ST BOTOLPH	9-9	46	14.8	8.1	11.5	-	23.0	11	1.5	7	11.8	-	6	-	3	17	7	2	0	0	0	0	0	0	3	0	3	0	2.97	-	
SARLTON DONHAM	9-9	24	15.5	6.4	10.9	-	24.2	11	-2.2	4	11.8	12.5	8	15	2	17.26	11	3	-	0	0	0	0	0	2	3	10	-	0	2.72	-
SCOLE	9-9	27	15.5	8.2	11.9	-	23.0	11	3.0	4	11.5	12.6	8	-	3	16	8	2	0	0	0	0	0	0	2	0	0	0	2.91	87	
WADINGTON ST CLEMENT	9-9	3	15.8	8.3	12.1	+1.4	24.6	11	2.4	2.18	11.7	-	4	9	1	26	7	2	0	0	0	0	0	0	4	0	0	0	2.91	87	
CAMBRIDGESHIRE																															
BOXMOUTH	9-9	53	15.9	8.4	12.1	-	24.7	11	2.6	18	-	-	5	11	2	15	7	2	0	0	0	0	0	0	7	0	2	0	3.14	-	
CAMBRIDGE																															
BOTANIC GARDEN	9-9	12	16.2	7.9	12.1	+1.2	24.8	11	1.5	2	11.9	12.9	6	13	2	15	8	2	0	0	0	0	0	0	2	0	4	0	-	-	
NATIONAL INSTITUTE OF HORTICULTURAL BOTANY	9-9	24	16.3	8.6	12.5	-	24.2	11	3.1	2	-	-	5	11	2	15	7	2	0	0	0	0	0	0	3	0	2	0	3.10	91	
MARCH	9-9	24	16.3	8.3	12.3	-	25.1	11	2.3	18	-	-	4	9	2	16	3	1	-	0	0	0	0	0	3	0	0	0	-	-	
MARHAM	9-9	21	16.2	7.8	12.0	-	24.9	11	0.5	2	-	-	3	-	1	16	3	1	-	0	0	0	0	0	3	0	0	0	-	-	
NEA BISHOPSTON	9-9	2	16.1	7.5	11.8	-	24.9	11	0.4	18	12.1	12.8	2	4	-	13.15.16	8	0	0	0	0	0	0	0	1	0	4	-	0	3.06	-
MORRIS WOOD	9-9	39	16.0	8.2	12.1	-	25.1	11	0.9	2	12.1	12.8	2	4	-	1	16	3	1	0	0	0	0	0	4	0	4	-	0	3.12	-
MITTERING	21-9	73	15.4	8.4	11.9	-	25.0	11	2.0	18	-	-	4	-	2	15	7	1	0	0	0	0	0	0	5	0	1	0	0	2.81	-
MYTON	21-9	40	16.0	9.0	12.5	-	25.1	11	2.6	18	-	-	2	5	1	16	2	1	0	0	0	0	0	0	5	0	2	0	0	-	-
SUFFOLK																															
ALDEBURY	9-9	75	15.3	8.5	11.9	-	24.8	11	1.8	18	11.6	12.6	8	16	-	16.26	10	4	-	0	0	0	0	0	4	0	0	0	3.00	-	
BROADS BARN	9-9	55	15.5	7.6	11.5	-	23.3	11	3.1	23	11.6	-	5	-	+1	26	10	0	0	0	0	0	0	0	4	0	1	0	-	-	
CROSTON	9-9	5	15.0	8.0	11.0	-	23.0	11	2.4	18	12.2	-	5	-	1	17	7	2	0	0	0	0	0	0	3	0	0	0	-	-	
HAUGHLEY	21-9	49	15.1	8.0	11.5	-	23.4	11	2.4	18	-	-	8	16	2	16	7	3	0	0	0	0	0	0	5	0	0	0	2.92	-	
HONINGTON	9-9	22	15.5	8.1	11.8	-	21.6	11	3.9	18	-	-	3	-	1	15	5	1	0	0	0	0	0	0	3	0	0	0	2.93	-	
LEVINGTON	9-9	25	14.7	9.0	11.9	+0.4	18.9	11	3.0	23	12.3	12.9	6	10	3	17	8	2	0	0	0	0	0	0	3	0	0	0	2.77	75	
LOMESTOFT	9-9	89	15.0	8.4	11.7	-	22.7	11	2.6	23	-	-	4																		

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

OCTOBER 1970

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HEIGHT MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (FEET)	AIR TEMPERATURE IN DEGREES C						MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)		WEATHER (NUMBER OF DAYS)										BRIGHT SUNSHINE																																																										
			MEANS OF		DAILY MEAN (MEAN OF A-B)	DIFFERENCE FROM 1541-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM		50 CM DEGREE C	100 CM DEGREE C	TOTAL FALL (MM)	PERCENTAGE OF 1541-70 AVERAGE	MOST IN A DAY	PRECIP- ITATION	0.2 MM OR MORE ON MORE DAYS	SNOW OR SLEET	SNOW LYING AT 09	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 09	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	DAILY MEAN (HOURS)	PERCENTAGE OF 1541-70 AVERAGE EXPOSURE																																																				
			MAX. (A)	MIN. (B)			MAX.	DATE																																																																									
<b>4 MIDLAND COUNTIES</b>																																																																																	
<b>WEST YORKSHIRE</b>																																																																																	
BRADFORD ...	99	134	14.4	8.4	11.4	+1.5	22.1	11	2.7	21	11.6	12.5	13	18	4	24	9	4	0	0	0	0	0	0	7	-	0	2.37	91 S																																																				
BARBARA ...	99	54	14.0	8.0	11.4	-	20.8	12	1.7	18	-	-	12	23	3	15	8	5	0	0	0	0	0	2	-	0	-	-	-																																																				
MUDERFIELD (DAKES)	21-9	252	14.0	8.2	11.1	+1.3	22.7	11	3.0	17	10.5	10.5	24	29	7	24	10	7	0	0	0	0	0	0	4	1	0	2.35	83																																																				
ILALEY ...	99	85	14.5	7.6	11.1	+1.2	22.0	11	1.9	21	-	-	22	27	7	24	11	6	0	0	0	0	0	0	0	-	0	-	-																																																				
POWTERFAC ...	99	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																																																					
TODMORRE ...	99	160	13.9	8.1	11.0	-	22.3	11	-0.5	18	-	-	33	-	10	24	14	8	0	0	0	0	0	1	1	1	1	-	-																																																				
WILSON ...	99	262	13.3	7.7	10.5	-	22.4	11	1.8	18	-	-	25	-	9	24	11	5	0	0	0	0	0	0	2	1	0	-	-																																																				
<b>SOUTH YORKSHIRE</b>																																																																																	
FIMMIDLEY ...	21-9	10	15.5	8.4	11.9	-	23.2	11	0.9	18	-	-	8	18	3	16	8	4	0	0	0	0	0	2	0	5	1	0	2.72	-																																																			
SHEFFIELD	99	206	14.5	8.5	11.5	-	24.1	12	3.3	18	-	-	21	-	9	24	7	5	0	0	0	0	0	2	0	3	-	0	2.05	105 S																																																			
DORE	99	131	15.3	9.2	12.3	+1.6	22.8	11.12	3.9	18	12.1	13.0	10	15	3	16	7	4	0	0	0	0	0	0	0	-	0	-	-																																																				
<b>DERBYSHIRE</b>																																																																																	
ROCHESTER ...	99	178	14.4	8.0	11.2	-	23.5	12	0.0	18	-	-	13	-	3	16	7	3	0	0	0	0	0	4	0	2	-	0	2.39	-																																																			
BUXTON ...	99	307	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																																																				
DERBY ...	99	40	15.4	8.2	11.8	-	22.5	12	1.7	18	-	-	11	20	4	16	6	4	0	0	0	0	0	2	0	1	-	0	2.30	-																																																			
WINDERMOUTH ...	99	116	14.6	7.2	10.9	-	22.9	12	-1.2	18	11.6	-	12	-	4	16	7	6	0	0	0	0	0	2	1	7	-	0	2.69	S																																																			
<b>NOTTINGHAMSHIRE</b>																																																																																	
WROTHAM ...	99	114	14.8	8.9	11.9	+1.0	23.0	12	2.5	18	-	-	6	-	3	16	7	2	0	0	0	0	0	2	0	3	-	0	-	-																																																			
WENTWORTH ...	99	50	15.0	7.5	11.3	-	22.5	12	-0.7	18	-	-	9	-	3	16	5	3	0	0	0	0	0	1	1	-	-	-	-																																																				
NOTTINGHAM ...	99	59	15.4	7.8	11.6	+0.9	23.0	11.12	2.1	18	12.0	12.6	5	10	16	4	3	0	0	0	0	0	0	0	0	1	-	0	-																																																				
SUTTON BONINGTON ...	99	48	15.4	7.3	11.3	+1.0	22.7	12	-0.2	18	12.0	12.6	8	16	3	16	6	3	0	0	0	0	0	1	1	7	2	0	2.27	78																																																			
WARSOP ...	99	46	15.6	7.5	11.5	-	23.1	12	-	18	-	-	5	10	2	14	5	2	0	0	0	0	0	2	1	6	-	0	2.61	-																																																			
WATNALL ...	21-9	117	14.9	8.4	11.7	+1.4	23.5	11	2.1	18	-	-	10	17	4	16	7	4	0	0	0	0	0	3	0	4	0	0	2.27	83																																																			
<b>STAFFORDSHIRE</b>																																																																																	
KEELE ...	99	179	13.9	7.8	10.9	-	20.8	11.12	2.4	18	11.2	12.0	30	44	13	16	13	7	0	0	0	0	0	4	0	1	0	0	2.03	-																																																			
OKEN ...	99	125	14.7	7.8	11.3	+1.6	22.8	11	1.5	2.18	11.9	-	15	25	4	16	10	6	0	0	0	0	0	2	0	0	-	0	-	-																																																			
PENKEDGE ...	99	101	14.7	-	-	-	22.0	11	-	-	-	-	15	26	6	16	8	4	0	0	0	0	0	1	-	3	-	0	2.26	-																																																			
STONE ...	99	107	14.3	7.3	10.8	-	20.8	11.12	-0.8	18	-	-	19	31	7	16	9	5	0	0	0	0	0	4	1	4	-	0	2.12	-																																																			
<b>LEICESTERSHIRE</b>																																																																																	
CALDECOTT ...	99	53	15.4	7.3	11.3	-	24.1	11	-0.3	18	-	-	5	10	2	2	4	1	0	0	0	0	0	6	1	0	-	0	2.57	-																																																			
NENTON LINFORD ...	99	119	14.8	7.5	11.1	-	23.2	12	1.0	2	-	-	10	18	3	2	6	5	0	0	0	0	0	4	0	5	-	0	2.21	-																																																			
<b>GLoucestershire</b>																																																																																	
HARPTON LODGE ...	99	70	15.7	7.5	11.6	-	22.4	11	-0.5	18	-	-	9	-	4	14	6	4	-	-	-	-	-	1	-	-	-	0	2.36	-																																																			
NEWPORT ...	99	54	15.1	7.7	11.4	+1.5	22.2	11	-0.3	18	-	-	17	30	5	16	5	5	0	0	0	0	0	2	1	4	-	0	2.46	91 S																																																			
OSWESTRY ...	99	137	14.4	8.6	11.5	-	22.0	12	4.5	23	-	-	24	30	7	9	9	5	0	0	0	0	0	0	0	6	-	0	2.51	87 S																																																			
PRESTON MONTFORD ...	99	67	(15.5)	-	-	-	21.7	11	-	-	(12.2)(12.9)	-	20	-	7	9	7	0	0	0	0	0	0	0	0	0	-	0	2.15	-																																																			
SHARPSBURY ...	21-9	72	15.3	7.9	11.6	+1.4	22.6	11	1.4	18	-	-	16	28	6	9	6	5	0	0	0	0	0	3	0	7	1	0	2.15	83																																																			
SHREWSBURY ...	99	56	-	-	-	-	-	-	-	-	1.9	18	18	35	6	9	7	6	0	0	0	0	0	2	0	4	-	0	2.42	85																																																			
<b>WEST MIDLANDS</b>																																																																																	
<b>BIRMINGHAM</b>																																																																																	
EDGBASTON ...	21-9	163	14.7	9.1	11.9	+1.2	22.6	11	3.5	18	11.5	-	14	22	5	14	8	4	0	0	0	0	0	4	0	5	2	0	2.51	89																																																			
ELDON AIRPORT ...	21-9	96	15.1	7.8	11.5	+1.3	22.1	12	-0.3	18	-	-	6	-	2	16	6	2	0	0	0	0	0	1	2	6	2	0	2.48	84																																																			
KING EDWARD'S SCHOOL	99	137	15.1	7.9	11.5	-	22.1	11	1.8	2	-	-	8	13	5	14	5	2	-	-	-	-	-	7	0	-	-	0	-	-																																																			
COVENTRY AIRPORT ...	99	81	15.6	8.8	11.2	-	23.0	12.13	0.5	2	12.0	12.4	5	-	2	16	5	3	0	0	0	0	0	6	0	-	-	0	2.56	-																																																			
<b>WARWICKSHIRE</b>																																																																																	
LUDDINGTON ...	99	56	15.6	-	-	-	23.0	12	-	-	-	-	7	-	2	14	6	3	0	0	0	0	0	6	-	5	-	0	2.72	-																																																			
MORETON MORRELL ...	99	85	15.5	7.7	11.6	-	23.7	11	0.5																																																																								



TABLE 3. SUMMARY OF DAILY OBSERVATIONS

TABLE 3 SUMMARY OF CLIMATE OBSERVATIONS

1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL NIGHT MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C										MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)		WEATHER (NUMBER OF DAYS)										BRIGHT SUNSHINE																																																																																																																																																																																																																																																																																																			
			MEANS OF		DIFFERENCE FROM 1961-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM		30 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1961-70 AVERAGE	AMOUNT (MM)	DATE	PRECIP- ITATION	DRY OR WET	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE	DR OR HORE







[illegible]

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

OCTOBER 1978

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (FT/MS)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT					VISIBILITY					WIND SPEED AND DIRECTION																																																				
			AT MSL (MB)	DIFFERENCE FROM 1011-70 AVERAGE	DRY BULB (DEGREES C)	WET BULB (DEGREES C)	VAPOR PRESSURE (MB)	RELATIVE HUMIDITY (%)	OKTAS					0 - 39 M	40 - 190 M	200 - 390 M	400 - 590 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KT	10 - 19 KT	20 - 39 KT	40 KT AND OVER	BEAUFORT FORCE																																															
									0	1-2	3-5	6-7	8										0	1	2	3	4	5	6	7	8	9																																							
																							10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99																																								
NUMBER OF OBSERVATIONS																																																																							
<b>0 SCOTLAND N</b>																																																																							
<b>SHETLAND</b>																																																																							
FAIR ISLE	61	9	1012.9	-	9.4	0.8	10.7	89	6.2	0	3	5	13	8	2	0	1	1	1	0	1	3	7	7	10	2	12	11	5	1	3	1	0	2	5	12	2																																		
		15	1012.9	-	9.8	0.8	10.9	89	6.2	0	4	5	10	10	2	0	1	1	1	0	1	9	10	5	8	2	11	14	2	1	3	1	0	3	5	11	2																																		
		21	1012.6	-	9.4	0.6	10.9	91	5.9	0	5	4	11	11	0	0	0	1	0	2	15	5	8	2	9	16	3	1	1	1	0	1	0	3	5	11	2																																		
LEWIS	83	9	1011.7	-	7.9	0.7	9.8	90	5.9	2	3	6	12	2	0	2	0	0	0	1	7	11	7	3	0	6	13	10	2	1	1	1	0	4	9	13	0																																		
		15	1011.7	+ 2.7	8.5	1.0	9.8	87	6.5	0	1	6	15	8	1	0	0	0	2	1	5	8	7	0	0	7	16	8	0	0	1	1	2	4	12	6	5																																		
		21	1011.9	-	9.1	1.1	10.2	86	6.8	0	1	5	11	13	0	0	0	0	0	5	3	10	8	2	1	7	16	6	1	1	0	2	0	5	13	6	3																																		
<b>ORKNEY</b>																																																																							
KIRKALL	26	9	1013.7	-	8.7	0.7	10.3	90	5.8	1	4	4	11	11	0	0	0	0	1	0	4	9	16	1	0	6	15	8	1	0	0	2	1	6	8	12	1																																		
		15	1014.1	+ 4.2	9.7	0.7	11.0	90	5.5	0	5	5	10	10	1	0	0	0	1	0	11	5	12	13	0	2	13	0	0	2	0	1	1	7	9	9	2																																		
		21	1014.5	-	10.6	1.3	10.9	84	6.2	0	2	9	10	10	0	0	0	0	1	3	11	11	5	0	9	16	6	0	1	2	0	1	7	6	12	1																																			
<b>WESTERN ISLES</b>																																																																							
BENBULGIN	7	9	1015.5	-	10.1	0.7	11.3	91	6.4	0	2	7	5	17	0	0	0	0	1	5	7	11	7	0	9	13	9	0	5	1	0	1	6	7	8	3																																			
		15	1015.9	+ 6.0	10.4	0.9	11.5	89	6.6	0	2	4	16	9	0	0	0	0	1	9	4	11	6	0	9	17	9	0	3	2	0	3	4	10	6	2																																			
		21	1016.1	-	11.3	1.2	11.5	85	6.2	0	4	4	10	13	0	0	0	0	3	3	5	8	12	0	5	21	5	0	0	0	0	0	4	9	11	4																																			
STORMHAY	5	9	1016.1	-	10.4	0.8	11.4	90	6.1	0	5	3	12	11	0	0	0	0	2	5	7	10	7	0	3	20	7	1	3	1	1	1	7	6	9	3																																			
		15	1016.6	-	9.3	0.6	11.0	93	5.8	0	6	4	7	14	0	0	0	0	0	3	10	17	1	0	2	15	12	2	1	0	2	1	3	9	11	2																																			
		21	1015.0	+ 5.4	9.7	0.7	11.1	91	6.2	0	2	7	12	10	0	0	0	0	1	7	5	15	2	0	5	17	9	2	2	0	1	7	9	8	1	1																																			
HIGHLAND	15	9	1015.0	-	11.0	1.0	11.6	87	6.2	0	4	4	11	12	0	0	0	0	2	6	8	9	0	3	17	11	0	0	1	2	0	1	6	10	5	1																																			
		15	1015.3	-	9.8	0.6	11.2	92	6.2	0	3	5	10	13	0	0	0	0	1	4	13	5	0	1	16	14	0	1	1	2	4	12	9	1																																					
		21	1015.3	-	9.8	0.6	11.2	92	6.2	0	3	5	10	13	0	0	0	0	1	4	13	5	0	1	16	14	0	1	1	2	4	12	9	1																																					
CAPE MARTH	113	9	1013.0	-	10.0	0.9	11.0	89	6.3	0	0	10	7	9	5	0	1	0	4	0	1	4	16	5	3	11	7	9	1	3	0	1	3	10	9	3																																			
		15	1013.5	-	9.7	0.8	10.9	90	6.7	0	1	5	13	9	3	0	1	2	1	0	1	4	14	8	3	9	11	7	1	1	1	3	0	2	10	11	2																																		
		21	1013.7	-	10.4	0.9	11.3	88	6.6	0	2	6	9	10	4	0	0	2	2	0	2	3	14	8	3	10	6	12	0	1	2	0	3	13	9	3																																			
DALCROSS	12	9	1013.9	-	9.9	0.7	11.2	91	6.5	0	2	6	7	12	4	0	1	1	2	0	0	3	15	9	2	12	6	10	1	2	0	2	12	11	1																																				
		15	1016.2	-	10.3	1.1	11.0	86	6.3	0	1	6	20	4	0	0	0	0	0	3	23	4	0	3	12	15	1	1	1	1	1	2	17	5	2																																				
		21	1016.0	-	12.2	1.9	11.2	79	6.5	0	1	4	19	7	0	0	0	0	0	1	1	2	22	5	0	3	18	10	0	2	1	0	0	18	7	2																																			
MICK	37	9	1014.0	-	8.7	0.9	10.0	88	5.5	0	7	3	16	5	0	0	0	0	0	2	3	18	8	0	0	17	12	2	1	0	2	0	6	9	9	2																																			
		15	1014.4	+ 4.2	9.8	1.1	10.6	86	6.4	0	1	5	18	7	0	0	0	0	1	0	3	3	17	7	0	3	18	10	0	2	0	2	7	7	11	2																																			
		21	1014.9	-	11.2	1.8	10.5	78	6.0	0	2	8	15	5	0	0	0	0	0	1	0	2	18	10	0	5	17	9	1	1	1	1	7	4	13	2																																			
<b>1 SCOTLAND E</b>																																																																							
<b>GRAMPIAN</b>																																																																							
DYCE	59	9	1015.8	-	9.0	1.0	10.1	87	5.9	1	3	6	12	9	0	0	0	1	1	4	5	7	12	0	0	6	20	5	1	0	0	1	7	8	8	1																																			
		15	1016.2	-	10.7	1.4	10.7	82	5.9	0	6	2	16	7	0	0	0	0	2	0	4	4	8	13	0	0	8	18	5	1	0	0	1	5	6	10	3																																		
		21	1016.7	-	12.6	2.1	11.1	76	6.2	0	2	6	17	6	0	0	0	1	0	0	4	4	11	14	0	0	12	17	2	1	1	1	2	8	3	12	1																																		
FRASERBURGH	22	9	1016.7	-	9.5	1.0	10.4	86	5.2	3	3	7	10	8	0	0	0	1	0	1	0	4	3	11	11	0	0	7	19	5	3	1	1	5	10	6	0																																		
		15	1015.0	-	10.0	1.3	10.3	83	5.4	0	8	4	7	12	0	0	0	0	0	1	9	21	0	0																																															

TABLE 4. SUMMARY OF OBSERVATIONS AT FIXED HOURS

OCTOBER 1978



TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

OCTOBER 1978

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT		VISIBILITY										WIND SPEED AND DIRECTION																																							
			AT MSL (hPa)	DIFFERENCE FROM 1013.25 hPa	DRY BALL (DEGREES C)	WET BALL (DEGREES C)	WET BULB PRESSURE (hPa)	RELATIVE HUMIDITY (%)	HEAVEN (%)	NUMBER OF OBSERVATIONS	VISIBILITY										WIND SPEED AND DIRECTION																																							
											VISIBILITY										WIND SPEED AND DIRECTION																																							
											VISIBILITY										WIND SPEED AND DIRECTION																																							
											VISIBILITY										WIND SPEED AND DIRECTION																																							
3 EAST ANGLIA - CONTD.																																																												
CROOK																																																												
SHOEBURNESS	5	9	1022.8	-6.1	12.5	12.5	85	8.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																														
		15	1022.0	-	15.1	2.6	12.6	73	6.4	1	0	7	13	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																														
		21	1023.0	-	12.2	1.2	12.2	86	5.4	1	0	5	7	9	8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0																														
STANSTED	102	3	1022.1	-6.2	9.4	0.5	10.9	92	5.6	2	4	6	7	10	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																														
		9	1022.7	-	11.0	0.9	11.9	89	6.2	1	2	6	13	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																														
		15	1021.7	-	14.8	2.8	11.9	71	6.4	0	1	7	15	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																														
4 MIDLAND COUNTIES		21	1022.8	-	10.8	1.0	11.4	87	6.1	0	2	9	11	8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																														
WEST YORKSHIRE																																																												
HUDDERSFIELD	235	3	1020.6	-	9.2	0.6	10.9	92	6.3	4	0	2	6	18	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																														
		9	1021.3	-	10.9	0.9	11.7	89	6.5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																														
		15	1020.9	-	12.7	1.5	12.2	82	6.5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																														
DARKE		21	1021.4	-	9.5	0.6	11.5	91	5.0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																														
WILSON	267	3	1021.0	-	9.0	0.7	10.5	90	5.7	3	5	1	7	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																														
		9	1021.8	-	10.5	1.0	11.4	81	6.5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																														
		15	1021.0	-	11.5	1.8	11.4	81	6.5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																														
SOUTH YORKSHIRE		21	1021.8	-	9.7	0.9	10.8	88	5.5	2	5	6	1	16	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																														
FIMMINGLEY	15	3	1020.6	-	9.7	0.7	11.0	90	5.6	2	4	6	9	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																														
		9	1021.2	-6.0	11.6	1.2	11.8	85	6.3	0	3	5	15	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																														
		15	1020.4	-	14.5	2.5	12.2	73	6.4	0	2	4	16	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																														
NOTTINGHAMSHIRE		21	1021.4	-	10.9	1.0	11.5	88	5.2	2	8	1	11	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																														
WATFALL	119	3	1021.5	-	9.5	0.5	11.3	94	5.8	4	2	5	14	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																														
		9	1022.0	+6.6	10.8	0.7	11.9	91	6.7	0	1	5	15	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																														
		15	1021.2	-	11.0	1.0	11.7	79	6.5	0	2	4	18	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																														
SALOP		21	1022.5	-	10.8	0.9	11.7	89	5.7	3	2	12	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																														
SHROBURY	76	3	1021.7	-	9.8	0.8	11.1	90	5.2	5	5	1	9	10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																														
		9	1022.1	+6.6	11.5	1.0	12.0	87	6.5	0	1	8	9	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																														
		15	1021.4	-	14.5	2.5	12.6	76	6.4	0	2	5	14	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																														
WEST MIDLANDS		21	1022.4	-	11.0	1.0	11.7	88	5.3	2	6	4	9	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																														
EDBASTON	165	3	1022.5	+6.5	10.9	1.2	11.1	84	6.8	0	0	3	18	7	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0																														
		9	1021.5	-	14.3	3.0	11.2	68	6.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																														
		21	1022.7	-	11.8	1.7	11.1	79	5.4	1	7	3	12	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																														
ELMDON	100	3	1022.1	-	9.1	0.7	10.7	91	5.0	5	4	4	7	10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																														
		9	1022.6	+6.6	11.2	1.0	11.8	89	6.7	0	1	3	20	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																														
		15	1021.6	-	14.5	2.6	11.9	72	6.5	0	3	15	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																														
GLOUCESTER		21	1022.8	-	11.1	1.2	11.3	85	5.1	1	4	5	12	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																														
INNSMORTH	24	3	1022.3	-	9.9	0.9	11.1	90	5.2	6	2	3	9	8	5	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0																														
		9	1023.0	-	11.5	1.0	12.1	88	6.0	0	4	2	20	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																														
		15	1022.0	-	15.6	3.0	12.2	69	6.4	0	2	6	16	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																														
OXFORDSHIRE		21	1023.1	-	11.9	1.3	11.9	85	5.1	4	3	6	10	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																														
BENSON	74	3	1022.5	-	9.7	0.8	11.0	90	4.9	7	1	5	7	8	3	0	2	1	1	2	2	9	4	1	0	0	0	0	0	0																														
		9	1023.1	-	10.9	1.0	11.7	88	6.5	0	3	3	15	7	3	0	2	1	1	4	7	10	11	2	0	0	0	0	0	0																														
		15	1022.0	-	15.7	3.2	12.1	67	6.1	0	2	7	16	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																														
BRIZE WORTON	92	3	1022.6	-	9.3	0.8	10.7	90	4.9	8	2	4	5	12	0	0	1	2	1	3	7	9	5	1	0	0	0	0	0	0																														
		9	1023.1	-	11.1	1.1	11.6	87	6.6	0	2	2	17	8	2	0	2	1	1	4	6	9	6	1	0	0	0	0	0	0																														
		15	1022.1	-	15.4	3.3	11.7	67	6.2	0	3	5	16	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																														
5 ENGLAND SE & CENT.		21	1023.3	-	11.2	1.2	11.4																																																					

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER (ABOVE MSL METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY		CLOUD AMOUNT				VISIBILITY				WIND SPEED AND DIRECTION																																										
			AT MSL (IN)	DIFFERENCE FROM 1991-70 AVERAGE	DRY BULB (DEGREES C)	DEPRESSION OF MET BULB (DEGREES C)	VAPOUR PRESSURE (IN)	RELATIVE HUMIDITY (%)	NUMBER OF OBSERVATIONS	0	1-2	3-5	6-7	8	9	0-30 M	40-100 M	200-300 M	400-500 M	1000-1500 M	2000-3000 M	4-9 KM	10-15 KM	20-30 KM	40 KM AND OVER	BEAUFORT FORCE																															
																										SPEED (KT)																															
																										0	1	2	3	4																											
			AT MSL (IN)		DIFFERENCE FROM 1991-70 AVERAGE		DRY BULB (DEGREES C)		DEPRESSION OF MET BULB (DEGREES C)		VAPOUR PRESSURE (IN)		RELATIVE HUMIDITY (%)		NUMBER OF OBSERVATIONS		0-30 M		40-100 M		200-300 M		400-500 M		1000-1500 M		2000-3000 M		4-9 KM		10-15 KM		20-30 KM		40 KM AND OVER		SPEED (KT)																				
			AT MSL (IN)		DIFFERENCE FROM 1991-70 AVERAGE		DRY BULB (DEGREES C)		DEPRESSION OF MET BULB (DEGREES C)		VAPOUR PRESSURE (IN)		RELATIVE HUMIDITY (%)		NUMBER OF OBSERVATIONS		0-30 M		40-100 M		200-300 M		400-500 M		1000-1500 M		2000-3000 M		4-9 KM		10-15 KM		20-30 KM		40 KM AND OVER		SPEED (KT)																				
			AT MSL (IN)		DIFFERENCE FROM 1991-70 AVERAGE		DRY BULB (DEGREES C)		DEPRESSION OF MET BULB (DEGREES C)		VAPOUR PRESSURE (IN)		RELATIVE HUMIDITY (%)		NUMBER OF OBSERVATIONS		0-30 M		40-100 M		200-300 M		400-500 M		1000-1500 M		2000-3000 M		4-9 KM		10-15 KM		20-30 KM		40 KM AND OVER		SPEED (KT)																				
			AT MSL (IN)		DIFFERENCE FROM 1991-70 AVERAGE		DRY BULB (DEGREES C)		DEPRESSION OF MET BULB (DEGREES C)		VAPOUR PRESSURE (IN)		RELATIVE HUMIDITY (%)		NUMBER OF OBSERVATIONS		0-30 M		40-100 M		200-300 M		400-500 M		1000-1500 M		2000-3000 M		4-9 KM		10-15 KM		20-30 KM																								









TABLE 3 ADDITIONS AND CORRECTIONS

YEAR	MONTH	STATION	AIR TEMPERATURE IN DEGREES C								MEAN EARTH TEMPERATURE		RAINFALL TERMINAL H 09 GMT		WEATHER (NUMBER OF DAYS)										BRIGHT SUNSHINE																								
			MEANS OF		DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM		30 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY	PRECIP-ITATION		SNOW OR SLEET	SNOW LYING AT 09	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 09	AIR FROST	WIND SPEED 0-100 KPH	WIND SPEED 0-100 KPH	WIND SPEED 0-100 KPH	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE																				
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE						0.2 MM OR MORE	1.0 MM OR MORE																																
1978	JUNE	ARROCHMORE	-	-	-	-	-	-	-	-	-	-	58	-	-	12	10	-	-	-	-	-	-	-	-	-	-	-	-	-																			
		GIRDINGWOOD	-	-	-	-	-	-	-	-	-	-	12.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
		COCKLE PARK	-	-	-	-	-	-	-	-	-	-	14.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
		MALHAM TARN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
		SCARBOROUGH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
		SANTON DOWNHAM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
		CAMBRIDGE 86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
		STANSTEAD ABBOTTS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
		STANFORD-LE HOPE	(19.1)	7.7	(14.4)	-	-	-	-	-	-	-	-	-	-	14	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-																		
		PENKRIDGE	18.1	-	12.5	-	-	-	-	-	-	-	-	-	17	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																		
		BIRMINGHAM KES	-	-	13.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																		
		COVENTRY AIRPORT	-	-	-	-	-	-	5.6	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																		
		PRESTON WYNN	18.3	-	13.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																		
		HARROW WEALD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																		
		DOVER	-	(10.1)	(13.5)	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																		
		EDENBRIDGE	-	-	-	-	-	-	7.1	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																		
		ELMSTONE	-	9.3	14.3	-	-	-	5.8	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																		
		NADLOW COLLEGE	-	(9.2)	(14.1)	-	-	-	3.2	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																		
		ROGATE	18.7	-	13.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
		CARTMEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
		NEWTON RIGG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
		KNITSFORD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
		BITHAM	16.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
		CIMYSTADLLYN	18.0	-	13.0	-0.8	-	-	-	-	-	-	126	-	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
		WIMBORNE BRIDGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
		PIRESTATYN	16.3	9.8	13.1	-0.8	23.5	2	5.4	17	15.6	-	61	133	6	14	11	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0																	
		DHLE FORT	-	-	-	-	-	-	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
		CILFYNYDD	17.5	10.1	13.8	-	25.4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
		PORTHCAHL	-	9.5	14.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
		CARDIFF (BUTE PARK)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
		WINCANTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
		POOLE	-	9.7	14.3	-0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
		PORTLAND BILL CG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
		PLYMOUTH THE HOE	-	10.8	14.1	-0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
		SLAPTON	18.0	10.2	14.1	-	23.3	19	6.5	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
		STARCROSS	18.1	-	14.0	-0.4	23.9	19	5.7	24	-	-	44	78	10	3	14	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0																	
		FALMOUTH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
		NEWQUAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
		GARYVAGH FOREST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
		MONEYDIG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
		CARNLOUGH	15.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
		LISNAFILLAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
		ROSETTA	16.9	9.0	12.9	-	23.5	18	2.6	14	-	-	38	58	16	21	16	12	8	0	0	0	0	0	0	0	0	0	0	0	0	0																	
		HELENS BAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
		ALTAYEDAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
		POMEROY FOREST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
		LOUGH NAVAR FOREST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	

Averages for 1941-70 were brought into use on 1-1-1974. Additions or corrections for months prior to this date refer to the averages in use at the time.

(x) Urban rooftop site.



